

Datasheet for ABIN750952
anti-HSD3B1 antibody (HRP)



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Overview

Quantity:	100 µL
Target:	HSD3B1
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSD3B1 antibody is conjugated to HRP
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HSD3B1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	HSD3B1
Alternative Name:	Hsd3b1 (HSD3B1 Products)
Background:	Synonyms: 3 beta and steroid delta isomerase 1, 3 beta and steroid hydroxy delta 5 steroid dehydrogenase, 3 beta HSD I, 3BH, 3BHSD, HGNC:5217, HSD3B, HSD3B1, HSDB3, HSDB3A, Hydroxy delta 5 steroid dehydrogenase 3 beta and steroid delta isomerase 1, Hydroxy delta 5 steroid dehydrogenase, trophoblast antigen.

Target Details

Background: HSD3B1 (3-beta hydroxysteroid dehydrogenase) is a bifunctional enzyme that catalyzes the oxidative conversion of Delta(5)-ene-3-beta-hydroxy steroid and the oxidative conversion of ketosteroids. The 3-beta-HSD enzymatic system plays a crucial role in the biosynthesis of all classes of hormonal steroids. There are two HSD3B1 proteins, type I and type II. Expressed by different genes, they function in different areas of the body. HSD3B1 has been shown to be a highly specific and sensitive trophoblast-associated marker.

Gene ID:	3283
Pathways:	Metabolism of Steroid Hormones and Vitamin D , Steroid Hormone Biosynthesis , C21-Steroid Hormone Metabolic Process , Carbohydrate Homeostasis

Application Details

Application Notes:	WB(1:100-1000), IHC-P(1:100-500)
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	Gentamicin sulfate
Precaution of Use:	This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months